

IN THE CLAIMS:

Please amend the claims as follows

1. (currently amended)

A distributing frame for mutually connecting optical connection lines, comprising:

a plurality of optical connection lines with [of] single [core] or [multi-] multiple [core] cores, wherein [to] two ends of each [of which] line are provided with connector plugs, with memory function [unit] units capable of untouchably performing, from the outside [thereof] of said connectors, and without touching the same, writing-in [operation] and reading-out [operation] operations of [identification] identifying information [of] from the same connector plugs to which they are respectively connected;

a plurality of plug boards mounted on the distributing frame;

a plurality of optical adapters [(or receptacles),] mounted separately on the plug boards and connected respectively to communication lines, for coupling to each of the connector plugs [with memory function units capable of untouchably performing, from the outside thereof, writing-in operation and reading-out operation of address information of said adapters or receptacles];

a plurality of antennas positioned [at the neighborhood of] proximate to each of the adapters [(or receptacles)] for, without contact, [untouchably] performing a writing-in operation into and reading-out operation of [the] address information from the memory function unit when each [of the] connector [plugs] plug is coupled to a desired optical [one of the adapters (or receptacles)] adapter; and

a data processing and display device, connected to a plurality of said antennas,

comprising memory means for storing a wiring table showing a desired [mutual] relationship between the information pertaining to said addresses [information] of said optical adapters [(or receptacles)] and said information pertaining to identification [information] of the connector plugs, and display means for displaying desired parts of said information on the wiring table;

wherein said identification information of each of the connector plugs coupled to one of said optical adapters [(or receptacles) specified] chosen from said [mutual relationship being] interactive structure is displayed on the display means and stored in the memory means.

2. (currently amended) A distributing frame according to claim 1, in which [each of] indicators are mounted [at the neighborhood of] proximate to each of the optical adapters [(or the receptacles)] in order to be [ON-OFF] switched ON or OFF in accordance with desired [switching] timing, which switching is controlled by a [control] signal from the data processing and displaying device.

3. (currently amended) A distributing frame according to claim 2, further comprising means for [lightening] displaying the indicators [in] as two different colors [of one safe] one "correct" color and the other [questioned] a "possibly incorrect" color, said [questioned] "possibly incorrect" color being [lightened] lit precisely at [erroneous] the point of incorrect connection [position in view of said desired mutual relationship] when considered in light of the desired interactive structure between said [addresses] address information of said adapters [(or receptacles)] and said identification information of the

connector plugs.

4. (new) A distributing system for mutually connecting optical connection lines, comprising:

a plurality of optical connection lines with single or multiple cores, wherein two ends of each line are provided with connector plugs with memory function units capable of untouchably performing, from the outside thereof, writing-in operation and reading-out operation of identification information of the same connector plugs are respectively connected;

a plurality of plug boards mounted on the distributing frame;

a plurality of receptacles, mounted separately on the plug boards and connected respectively to communication lines, for coupling to each of the connector plugs with memory function units capable of performing, from the outside thereof and without contact, writing-in operation and reading-out operations of address information of said receptacles;

a plurality of antennas positioned proximate to each of the receptacles for writing-in operation into and reading-out operation, without contact, of the address information from the memory function unit when each of the connector plugs is coupled to desired one of the receptacles; and

a data processing and display device, connected to a plurality of said antennas, comprising memory means for storing a wiring table showing a desired relationship between said addresses information of said receptacles and said identification information of the connector plugs, and display means for displaying desired parts of the information on the wiring table;

wherein said identification information of each of the connector plugs coupled to one of said receptacles specified from said interactive structure is displayed on the display means and stored in the memory means.

5. (new) A distributing frame according to claim 4, in which indicators are mounted proximate to each of the adapters or the receptacles in order to be switched ON-OFF in accordance with desired switching timing, which is controlled by a control signal from the data processing and displaying device.

6. (new) A distributing frame according to claim 5, further comprising means for displaying the indicators as two different colors, one "correct" color and the other a "possibly incorrect" color, said "possibly incorrect" color being lit at the point of incorrect connection when considered in light of the desired interactive structure between said addresse information of said receptacles and said identification information of the connector plugs.